

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AURO810.026D2D1APPLICATION NO.  
10/771,283INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Maher et al.FILING DATE  
February 2, 2004GROUP  
1744

(USE SEVERAL SHEETS IF NECESSARY)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
83	1	6,686,193 B2	2/3/2004	Maher et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER  
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)


S:\DOCS\TRA\TRA-2662.DOC  
101304

EXAMINER

DATE CONSIDERED

3-14-05

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AUROBIO.26D2D1APPLICATION NO.  
10/771,283INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Maher et al.FILING DATE  
February 2, 2004GROUP  
1744

(USE SEVERAL SHEETS IF NECESSARY)

AUG 23 2004

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
st	1	4,695,547	9/22/1987	Hillard et al.			
st	2	4,699,881	10/13/1987	Matschke			
st	3	5,128,257	7/7/1992	Baer			
st	4	5,422,272	6/6/1995	Papp et al.			
st	5	6,352,853 B1	3/5/2002	King et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL	

S:\DOCS\TRA\TRA-2153.DOC  
081904

EXAMINER

DATE CONSIDERED

3-14-05

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AUROBIO.026D2D1APPLICATION NO.  
10/771,283INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Maher, et al.FILING DATE  
February 2, 2004GROUP  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>ST</i>	1	4,072,578	2/7/78	Cady, et al.			
	2	4,514,500	4/30/85	Glaever, et al.			
	3	4,461,304	7/24/84	Kuperstein			
	4	4,628,933	12/16/86	Michelson			
	5	4,677,989	7/7/87	Robblee			
	6	4,969,468	11/13/90	Byers, et al.			
	7	5,024,233	6/18/91	Chow			
	8	5,178,161	1/12/93	Kovacs			
	9	5,187,096	2/16/93	Glaever, et al.			
	10	5,405,367	4/11/95	Schulman, et al.			
	11	5,432,086	7/11/95	Fränzl, et al.			
	12	5,439,440	8/8/95	Hofmann			
	13	5,545,130	8/13/96	Hofmann, et al.			
	14	5,563,087	10/8/96	Sugihara, et al.			
	15	5,571,158	11/5/96	Bolz, et al.			
	16	5,810,725	9/22/98	Sugihara, et al.			
	17	5,855,801	1/5/99	Lin, et al.			
	18	5,935,155	8/10/99	Humayun, et al.			
	19	5,957,958	9/28/99	Schulman, et al.			
	20	5,965,452	10/12/99	Kovacs			
	21	5,981,268	11/9/99	Kovacs, et al.			
	22	6,008,038	12/28/99	Kröger, et al.			
	23	6,009,347	12/28/99	Hofmann			
	24	6,024,702	2/15/00	Iversen			
<i>ST</i>	25	6,031,711	2/29/00	Tennent, et al.			
<i>ST</i>	26	6,038,478	3/14/00	Yuen, et al.			

EXAMINER

DATE CONSIDERED

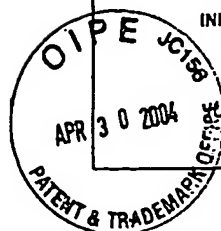
3-16-05

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AURO810.026D2D1APPLICATION NO.  
10/771,283INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Maher, et al.FILING DATE  
February 2, 2004GROUP  
Unknown

USE SEVERAL SHEETS IF NECESSARY)



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>JS</i>	27	6,046,002	4/4/00	Davis, et al.			
<i>JS</i>	28	6,051,422	4/18/00	Kovacs, et al.			
<i>JS</i>	29	6,063,260	5/16/00	Olesen, et al.			
<i>JS</i>	30	6,099,960	8/8/00	Tennent, et al.			
<i>JS</i>	31	6,205,016	3/20/01	Niu			
<i>JS</i>	32	6,376,233 B1	4/2002	Wolf et al.			
<i>JS</i>	33	4,801,543	1/31/1989	Arnold et al.			
<i>JS</i>	34	5,194,133	3/18/1993	Clark et al.			
<i>JS</i>	35	5,643,742	7/1/1997	Malin et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>JS</i>	36	WO97/05922	2/20/97	PCT				
<i>JS</i>	37	WO00/25121	5/4/00	PCT				
<i>JS</i>	38	WO00/68686	11/16/00	PCT				
<i>JS</i>	39	1 087 378 A1	1/10/01	EPO				
<i>JS</i>	40	96/41166	12/19/1996	PCT				

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL		
<i>JS</i>	41	Amdts. Oral Presentation Abstract, Second International Cell Analysis Products Users Meeting in Hilton Head Island, South Carolina, USA (June 3-5, 1998).
<i>JS</i>	42	Barr and Plonsey, Biophys. J. 61, 1164-1175 (1992).
<i>JS</i>	43	Barr and Plonsey, IEEE 42, 1185-11911 (1995).
<i>JS</i>	44	Cartee and Plonsey, Med & Biol. Eng. & Comp. 30 389-398 (1992).
<i>JS</i>	45	Cartee and Plonsey, IEEE 39, 76-85 (1992).
<i>JS</i>	46	Eppich et al., Nature Biotech. 18, 882-887 (2000).
<i>JS</i>	47	Greenberg, et al. IEEE 46, 505-514 (1999).

EXAMINER

DATE CONSIDERED

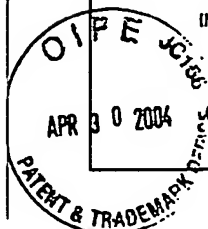
3-16-05

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
AUROBIO.026D2D1APPLICATION NO.  
10/771,283INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Maher, et al.FILING DATE  
February 2, 2004GROUP  
Unknown

(USE SEVERAL SHEETS IF NECESSARY)



EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
AF	48	Gross, et al. Biophys. J. 50, 339-348 (1986).
AF	49	Jentsch and Günther, BioEssays 19, 117-126 (1997).
AF	50	Klee and Plonsey, Biophys. J. 12 1661-1675 (1972).
AF	51	Klee and Plonsey, IEEE 23, 347-354 (1976).
AF	52	Mitchell et al., J. Biomed. Eng. 14, 52-56 (1992).
AF	53	Plonsey, Med & Biol. Eng. & Comput. 19 311-315 (1981).
AF	54	Plonsey, Med. & Biol. Eng. & Comput. 33 337-340 (1995).
AF	55	Plonsey and Barr, IEEE 42 329-336 (1995).
AF	56	Plonsey and Barr, IEEE 9/10 130-137 (1998.)
AF	57	Rattay, Neuroscience 89 335-346 (1999).
AF	58	Roth, Critical Reviews in Biomed. Eng. 22 263-305 (1994).
AF	59	Rowell, Biophotonics Int. 12 25-26 (2000).
AF	60	Schmidt et al., Proc. Natl. Acad. Sci. USA 94 8948-8953 (1997).
AF	61	Stone et al., J. Cardiovascular Electrophysiology 10 92-107 (1999).
AF	62	Svirskis et al., American Phys. Soc. 0022-3077 579-586 (1997).
AF	63	Tung and Borderies, Biophys. J. 63 371-386 (1992).
AF	64	Tung et al., Circulation Research 69 722-730 (1991).
AF	65	Zhou, et al., Circulation Research 83 1003-1014 (1998).
AF	66	González, J.E., et al., "Cell-based assays and instrumentation for screening ion-channel targets", Drug Discover Today, Vol. 4, No. 9, pp. 431-439, (September 1999).
AF	67	González, J.E., et al., "Voltage sensing by fluorescence resonance energy transfer in single cells", Biophysical Journal, Vol. 69, No. 4, pp. 1272-1280, (October 1995).
AF	68	Giuliano, K.A., et al., "Fluorescent-protein biosensors: new tools for drug discovery", Trends In Biotechnology", Vol. 16, No. 3, pp. 135-140, (March 1998).
AF	69	Jacobs et al., "Control of Action Potential-Induced Ca <sup>2+</sup> Signaling in the Soma of Hippocampal Neurons by Ca <sup>2+</sup> Release from Intracellular Stores", (1997) Journal of Neuroscience 17(11):4129-4135.
AF	70	Reiner et al., "Use of a Membrane Potential -Sensitive Probe to Assess Biological Expression of the Cystic Fibrosis Transmembrane Conductance Regulator" (1995) Human Gene Therapy 6:1275-1283.
AF	71	Sinha et al., "Simultaneous Optical Recording of Evoked and Spontaneous Transients of Membrane Potential and Intracellular Calcium Concentration with High Spatio-Temporal Resolution" (1995) Journal of Neuroscience Methods 60:49-60

S:\DOCS\TRA\TRA-1237.DOC  
042604

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	3-14-05
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>			